

1	GCCAGATTTCGGC	0
1	AGATTTCGGC	80
1	AGATTTCGGC	0
81	GTCTGAAAGCGCAATATTCGGGTGGAGTGACCCCGAATTTCCAGGCTGCTATCCATGTCCAGGGCCAAACATGAATCCT	160
1	ATTGCTCTTGGGAGCCGCTGGCTTGGCTTATGCCAGAAACAAGTTGATTCGATGTCTATCAGTCCCGTGGTGGAGCCCTGTGG	240
1	AGACAACATTCAGTCTTATATCTGCCACAGTCAATTAGTGTCTGCTAATAACATTTGAAAGTGGCCCTGACAATGGTAGGGAAG	320
1	TGGTGAATCAGCTGACAGGCACACTGCCCTTCAGGTGTGACAGAAAGATGATGTTGCCATCCACAGTAATTCACGGCGGAGT	400
1	CCCTTGGTCCCAGGCATCATCACAGTTATTGACACCCGAAACCGTTGGAGAGGGCCAGGTGCTTTGTGAGTGAGGATTCIGA	480
1	CAGTGATGGCAATTGTGGCCCACTTCCCCTGCCCATGAGAAAGCCAGTGTGCTGCTGCTTTTAATAACAAGTGAATGCTTC	560
1	TAGTCACAACAGACACCCCTTGGCCATGACCTTTCATGTCTTCCAAATTCAGTCTCATCTTGGTCCCTCATCACAAATGTGCT	640
1	GTCCACCATCTGTATACTCTTTCACAGGGGAGAAACTGAAGCCAAAGTACAGGACATCTGCTTCAGCCCATGACTGTCCGCTG	720
1	GGTTGTGGTCAGTACTCTCCGGGGTACTTCCCACGTTTCCCCTCATCAACCTTATGGTGGCCAGCCCTTGTGTTCTGTACAC	800
1	ATATGTCACCAAGTAGTGAATCGCATGAGCCGTTTCCAGAAAGTGTGCTGGACIGGAAGAGATTGAACAAGAACTGACG	880
1	TCTAAGCAAGGAGGTGCTGTAGCCCTGTTCCAGGTCTATCAAGCAGCCCTTCTGGGTCAACCTTGCATGGGAAACTGAA	960
1	CAGCCAAGACTCCTATATAACAATTTTACCACAACAACCCCTGGCAACCTCTGGCTCTCTCCCTCTCCAGCTTGATGGTAG	1040
1	TGATGCCCTCTTGCACAAATCAAGCAGCCCAATGACATTTGGGGACCATCACCAAAACGAGCCCTTATCTCTTTTGAGCG	1120
1	GGGTGTTTTCCATATAAAGCCCCCATGTCAAAGTTAAACCTCCTCCACAAATTTCAACCAGCAAAATTGATGGCGGAGAATT	1200
1	TTGTGTGGCTGCTATCTTCGGAAACATCCAGGTCAATGGTTTTCGAAATAATGCAGGTCTGAAAGAGAAAGATCAGTCCA	1280

FIG. 1A

1	1	AACAAGTTGTAGTTGAGTCCCTGTACATTATCAGTTIGCTATGGCACCTTAGTGGAAACACATGATGGAGCCGCGACCCCTC	0	1360
1281	1	AGCACTGCACCCAAAGATTAGTGACGACACACCACCTGGAAATGATGACATCGCCTCGAGCCAGCTGGACTCTGGTTAGAAC	0	1440
1361	1	CCCTCAATGGAATGAATTGCAGGCCACCGTTTAAATGCAAAACCAACCTCTGCTCCTCGCTGCAGATGCAGTATATTATC	0	1520
1441	1	AGTTCCCTGCTTIGCTGGCCCTGGTTCCCCCTGGGAAGTCCCTGGGCCCATTTACTCGACATGGGTCTTTACGACAGTTTAGCTTTCT	0	1600
1521	1	GACCATAGTGGACAGGAAGATGAAGAATGGCTTTCCACAGTTTGAATTTGTAACACACTGGACCCCATAGACGTCCTGTG	0	1680
1601	1	GATGGTCCACAGTTCAGTTCAAAACCATCCCTCAGGCCAAACCACAGTTTATCTCATCCAGTTTCATCTGTGTTC	0	1760
1681	1	AGTCTCATGGTCCGAGTGACACGCCACAGCCCTCTTTTGGATTTTTGATATACAGATGATCTTTGATCTCAACAGTCTCAGGATC	0	1840
1761	1	TCGGAGCCCATGCGCAGCGGGCGCGTTAGCTCGCGCTCTTCCCTGACCCC	50	1920
1841	1	CAGCCAGTCCGCTCTGACCCCGTCAGCATGCCAGGTCCCGTCCAGTCTCTGATCGAAGGGAGTTTCCACAGTGAT	100	2000
1921	51	CGATCCTGGGGCCGAGGTACCTTTTGACAGGAGCGGTGACCCCTGCTGGAGGTGTGCGGGAGCTGGCCCTGAGGGCTTCGGGCT	150	2080
2001	101	TGATGCTG - - CCTCAGGTACCTTTGACAGGAGCGGTGACCCCTGCTGGAGGTGTGCGGGAGCTGGCCCTGAGGGCTTCGGGCT	200	2160
2081	151	*** ** * *****	250	2240
2161	201	GCGGCACATGTCCTCCATGGAGCACACGAGAGGGCTTCGGGAGCGACTTGGCCAGCCCATGGCCGAGTCACTAGCC	300	2320
2241	251	GCGGCACATGTCCTCCATGGAGCACACGAGAGGGCTTCGGGAGCGACTTGGCCAGCCCATGGCCGAGTCACTAGCC	350	2400
2321	301	*****	400	2480
2401	351	GCGGCACATGTCCTCCATGGAGCACACGAGAGGGCTTCGGGAGCGACTTGGCCAGCCCATGGCCGAGTCACTAGCC	450	2560
2481	401	GGGACGTCGTGGGATCCGGAACAGAACTTCAGCGAGAGGGAAGCATCGAGACTCTGAGTAACAGCTCAGGCTCCACCAGC	500	2640
2561	451	GG - ACGTCGTGGATCCGGACAGGAAATAAATAAATAAAGG SEQ. ID NO:317	550	2720
2641	501	*****	600	2800
2721	551	GGCAGCATACCAAGAACTTTTGATGGCTACCGATCTCCGCTGCCCAACCAATGAGAGCCAGCCCTCAGCCTCTTCCCAG	650	2880
2801	601	TGGCTTCCCGTAGGTACCAGCAACCTGCTTCTGACTGGCCAG 412 SEQ. ID NO:315	700	2960
2881	651	2124	750	3040

2/3

18

```

1      CGAGAACTCTAGTAAACAGCTCAGGCTCCACCAGCGGACGATACCAAGAAACTTTTGATGGCTACCGATCTCCGCTGCCC      0
1      80
1      GCCAGCCCCCTCAGCCCTCTTTCCCGACTGGCTTCCCGTAGGTACCAGCAACCTGCTTCTGACTGGCCAGCCCC      70
81      160
1      ACCCAATGAGAGCCAGCCCTCCTTTCCCGACTGGCTTCCCGTAGGTACCAGCAACCTGCTTCTGACTGGCCAGCCCC
      *****
71      CCTCCCCCTGCTGGAGGGGAGAAAGCCCGCTCTGGTCCCTACCCCTTCAGTCTCTGCTCTTCTTCATCAACCACTTCC      150
161      240
1      CCTCCCCCTGCTGGAGGGGAGAAAGCCCGCTCTGGTCCCTACCCCTTCAGTCTCTGCTCTTCTTCATCAACCACTTCC
      *****
151      CCAAGCTTAGTGACAGCGCCGCCATCTACCTGGATGGAGAGAGACCCCTTCTCCAAGCACCTCAGCGCACTTGCCTT      230
241      320
1      CCAAGCTTAGTGACAGCGCCGCCATCTACCTGGATGGAGAGAGACCCCTTCTCCAAGCACCTCAGCGCACTTGCCTT
      *****
231      CTGCCACACCTGTCCGTGGAGGCTGTGGCCAGGAGAGACTGTAGAAGCTCCGTCTGTGTATGTTTGCA SEQ. ID NO:316 300
321      400
1      CTGCCACACCTGTCCGTGGAGGCTGTGGCCAGGAGAGACTGTAGAAGCTCCGTCTGTGTATGTTTGCAATGACATCC
      *****
301      TGCAATTGGATCCGCTTTTGTATTTTTAAACCATACCACCGTGGGCGGGTGGGGGAGCCCTGGAACAGTGACCAGATCT      300
401      480
1      GGGGGCCCTGAGTGGGGACAGAGTTGATCGTCCACCCTGGCCATTTTTGACCCCTGAGTGGACAGTCAACAGCCTCAGCTCATGT      300
481      560
1      CTGGCTGTGACACACATGCCCCCCAGCTTCCCTTGGTCAGCCCCCACTCCAGCACGGGGTGAAACGGAGGCCACAGATACFA      300
561      640
1      GGGAAAGGAGGAAGGAGGACATGCCCTCTTCTTCTCCCTCTTCTTCTCCCATCTGTTCCTGGGAAGAGTTTGTCTTTCTTAT      300
641      720
1      CTTTAAAGCCCCCTTTACCCCTGGTCTGTACTGATCAGTGAAGGAAACCGTGTACTGAGGCCCTGTGTGAAAAGTGCAAGT      300
721      800
1      CTTGTCCAATAAATCACGCTGCAGTTGGAAAAAATAAATAAAGGATCTTTTAATAAGCGGCCGCAAGCTTATT      300
801      880
1      CCCCTTAGTGAGGGTTAAATTTAGCTTTGGCACTGGCCGTCTGTTTACAACGTCTGTAACCCCTGGCGTTACCCA      300
881      960
1      ACTTAATCGCCTTGCAGCACATCCCCCTTTTCGCCAGCTGGCGTAATAGCGAAGAGGCCCGCACCGATCGCCCTTCCCAAC      300
961      1040
1      AGTTGCGCAGCCTGAAATGGCGAATGGGACGCGCCCTGTAGCGCGGCATTAAAGCGCGGGGTGTGTGTACCGCGCAG      300
1041      1120
1      CGTGACCGCTACACTTGCCAGCGCCCTAGCGCCCGCTCCTTTTCGCTTTCTTCCCTTCTTTCGCCACGTTTCGCCGGC      300
1121      1200
1      TTTTCCCCGTCAAGCTCTAAATCGGGGGCTCCCCCTTTAGGGTTCCCGATTTAGTGCTTTACCGGCACCTCGACCCCAAAA      300
1201      1280
1      AACTTGATTAGGTGATGTTTACGTAGTGGCCATCGCCCTGATAAGACGGTTTTCGCCCTTTTGACGTTGGAGTCCAC      300
1281      1360
1      GTTCT 1365      300
1361      SEQ. ID NO:318

```

FIG. 2